

CLAIMS

I claim:

1 1. A process for manufacturing a capital for an architectural column, which
2 comprises:

3 lightly coating the inside of a mold having a first opening and one or more other
4 openings with mold release;

5 placing the first opening of the mold upon a surface that has been coated with
6 mold release;

either before or after placing the first opening of the mold upon a surface that has been coated with mold release, positioning a plug where the first opening is or will be located on the surface;

through another opening in the mold pouring foam around the plug to a level that
is less than the thickness of the mold;

12 after the foam has hardened, removing the mold from the surface;

13 securely covering all other openings in the mold;

14 introducing an elastomer into the mold;

commencing rotation of the mold either before or after introduction of the
elastomer;

17 replacing the plug in the first opening;

18 after the coating formed by the prior introduction of the elastomer has become
19 tacky but before such coating has become firm, the introduction of the elastomer is
20 repeated one or more times; and

21 after the final coating formed by the introduction of the elastomer has become
22 tacky but not firm, foam is introduced into the mold.

2. The process for manufacturing a capital for an architectural column as recited in
claim 1, further comprising:

either before or after the mold release applied to the inside of the mold has dried,
4 coating such mold release with a clear aerosol spray enamel.

1 3. The process for manufacturing a capital for an architectural column as recited in
2 claim 2, wherein:

3 the plug is composed of silicon rubber.

1 4. The process for manufacturing a capital for an architectural column as recited in
2 claim 3, further comprising:

3 periodically removing the plug to reduce pressure as the foam solidifies.

1 5. The process for manufacturing a capital for an architectural column as recited in
2 claim 4, further comprising:

3 once the foam has ceased to expand, stopping rotation;

4 removing the plug;

5 orienting the mold to place the first opening near the highest point of the mold;

6 and

7 introducing the requisite amount of foam necessary to fill any remaining void
8 within the mold.

1 6. The process for manufacturing a capital for an architectural column as recited in
2 claim 3, further comprising:

3 once the foam has ceased to expand, stopping rotation;

4 removing the plug;

5 orienting the mold to place the first opening near the highest point of the mold;

6 and

7 introducing the requisite amount of foam necessary to fill any remaining void
8 within the mold.

1 7. The process for manufacturing a capital for an architectural column as recited in
2 claim 2, further comprising:

3 before pouring foam around the plug, coating the plug with mold release.

1 8. The process for manufacturing a capital for an architectural column as recited in
2 claim 7, further comprising:

3 periodically removing the plug to reduce pressure as the foam solidifies.

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1 9. The process for manufacturing a capital for an architectural column as recited in
2 claim 8, further comprising:

3 once the foam has ceased to expand, stopping rotation;
4 removing the plug;
5 orienting the mold to place the first opening near the highest point of the mold;
6 and

7 introducing the requisite amount of foam necessary to fill any remaining void
8 within the mold.

1 10. The process for manufacturing a capital for an architectural column as recited in
2 claim 7, further comprising:

3 once the foam has ceased to expand, stopping rotation;
4 removing the plug;
5 orienting the mold to place the first opening near the highest point of the mold;
6 and

7 introducing the requisite amount of foam necessary to fill any remaining void
8 within the mold.

1 11. The process for manufacturing a capital for an architectural column as recited in
2 claim 2, further comprising:

3 periodically removing the plug to reduce pressure as the foam solidifies.

1 12. The process for manufacturing a capital for an architectural column as recited in
2 claim 11, further comprising:

3 once the foam has ceased to expand, stopping rotation;
4 removing the plug;
5 orienting the mold to place the first opening near the highest point of the mold;
6 and

7 introducing the requisite amount of foam necessary to fill any remaining void
8 within the mold.

1 13. The process for manufacturing a capital for an architectural column as recited in
2 claim 1, wherein:

3 the plug is composed of silicon rubber.

1 14. The process for manufacturing a capital for an architectural column as recited in
2 claim 13, further comprising:

3 periodically removing the plug to reduce pressure as the foam solidifies.

1 15. The process for manufacturing a capital for an architectural column as recited in
2 claim 14, further comprising:

3 once the foam has ceased to expand, stopping rotation;

4 removing the plug;

5 orienting the mold to place the first opening near the highest point of the mold;

6 and

7 introducing the requisite amount of foam necessary to fill any remaining void
8 within the mold.

1 16. The process for manufacturing a capital for an architectural column as recited in
2 claim 13, further comprising:

3 once the foam has ceased to expand, stopping rotation;

4 removing the plug;

5 orienting the mold to place the first opening near the highest point of the mold;

6 and

7 introducing the requisite amount of foam necessary to fill any remaining void
8 within the mold.

1 17. The process for manufacturing a capital for an architectural column as recited in
2 claim 1, further comprising:

3 before pouring foam around the plug, coating the plug with mold release.

1 18. The process for manufacturing a capital for an architectural column as recited in
2 claim 17, further comprising:

3 periodically removing the plug to reduce pressure as the foam solidifies.

1 19. The process for manufacturing a capital for an architectural column as recited in
2 claim 18, further comprising:

3 once the foam has ceased to expand, stopping rotation;

4 removing the plug;

orienting the mold to place the first opening near the highest point of the mold;

and

introducing the requisite amount of foam necessary to fill any remaining void in the mold.

1 20. The process for manufacturing a capital for an architectural column as recited in
2 claim 17, further comprising:

once the foam has ceased to expand, stopping rotation;

removing the plug;

orienting the mold to place the first opening near the highest point of the mold;

and

introducing the requisite amount of foam necessary to fill any remaining void in the mold.

1 21. The process for manufacturing a capital for an architectural column as recited in
2 claim 1, further comprising:

periodically removing the plug to reduce pressure as the foam solidifies.

1 22. The process for manufacturing a capital for an architectural column as recited in
2 claim 21, further comprising:

once the foam has ceased to expand, stopping rotation;

removing the plug;

orienting the mold to place the first opening near the highest point of the mold;

and

introducing the requisite amount of foam necessary to fill any remaining void in the mold.

1 23. The process for manufacturing a capital for an architectural column as recited in
2 claim 1, further comprising:

once the foam has ceased to expand, stopping rotation;

removing the plug;

orienting the mold to place the first opening near the highest point of the mold;

6 and

7 introducing the requisite amount of foam necessary to fill any remaining void
8 within the mold.

1 24. The process for manufacturing a capital for an architectural column as recited in
2 claim 1, further comprising:

3 after the foam around the plug has hardened and the plug has been removed,
4 removing any hardened foam that was above the plug.